

ABSTRACT OF THE DISCLOSURE

2 A system comprising a first filter having an input and an output adapted to
3 compensate for the characteristics of a first length of twisted-pair wire is
4 disclosed. A first bypass path has an input and an output for bypassing the first
5 filter. A second filter has an input and an output adapted to compensate for the
6 characteristics of a first length of twisted-pair wire. A second bypass path has an
7 input and an output for bypassing the first filter. A third filter has an input and
8 an output adapted to compensate for the characteristics of a first length of
9 twisted-pair wire. A third bypass path has an input and an output for bypassing
10 the first filter. The three filters can be configured form a signal path or one or
11 more filters removed from the signal path by switching in bypass paths.

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